BITUMIN CENTRIFUGE EXTRACTOR

BE 90

A centrifuge extractor is a laboratory device used to determine the bitumen content in bituminous mixtures, such as asphalt used in road construction, by separating bitumen from aggregates using a solvent and centrifugal force. Below is a concise overview based on standard practices and available information.

Bitumen, a viscous, black semi-solid form of petroleum, is a key binder in asphalt mixtures used for road paving and construction. Determining its exact percentage in these mixtures is essential for quality control, ensuring durability and performance. The centrifuge extractor is a specialized laboratory device designed for this purpose, using centrifugal force to separate bitumen from aggregates (like sand and gravel) via a solvent.

FOLLOWING STANDARD

ASTM D2172, AASHTO T164, EN 12697-1

DISCRIPTION

MODEL	TYPES	DETAIL	USE CASE	KEY FEATURE
BE 90-01	Standard Motorized	Electric, 0–3,600 rpm, digital controls	Lab testing	Variable speed, high precision
BE 90-02	Hand-Operated	Manual crank, portable	Field use	No power needed, basic testing
BE 90-03	Automatic/Filterless	No filter discs, integrated sieving	High-throughput labs	Faster, solvent recovery option

BE 90-01

BE 90-02

BE 90-03